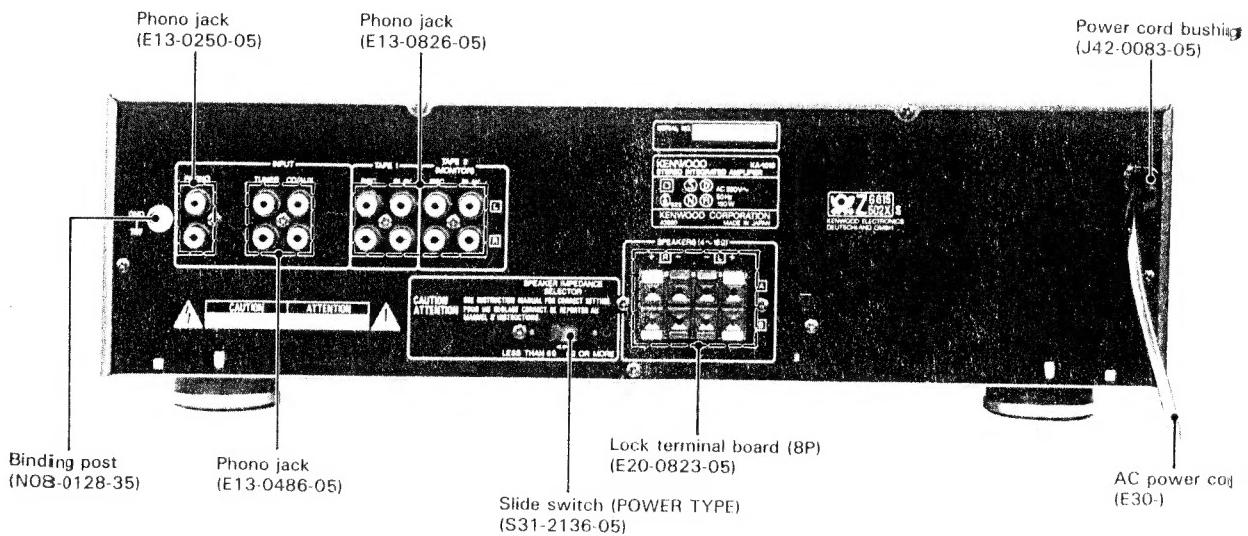
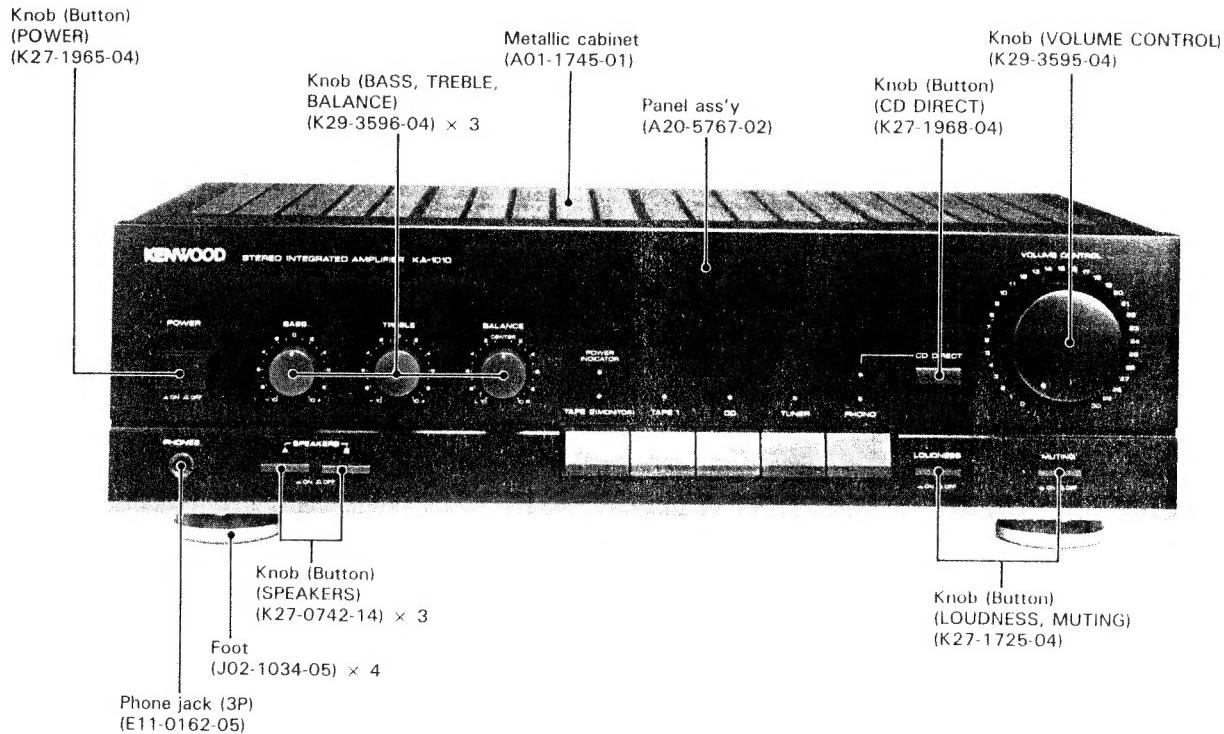


STEREO INTEGRATED AMPLIFIER
KA-1010
 SERVICE MANUAL

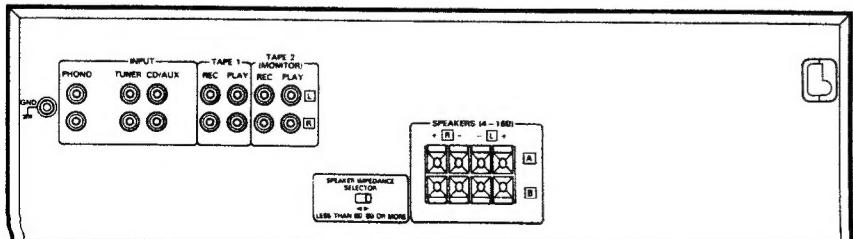
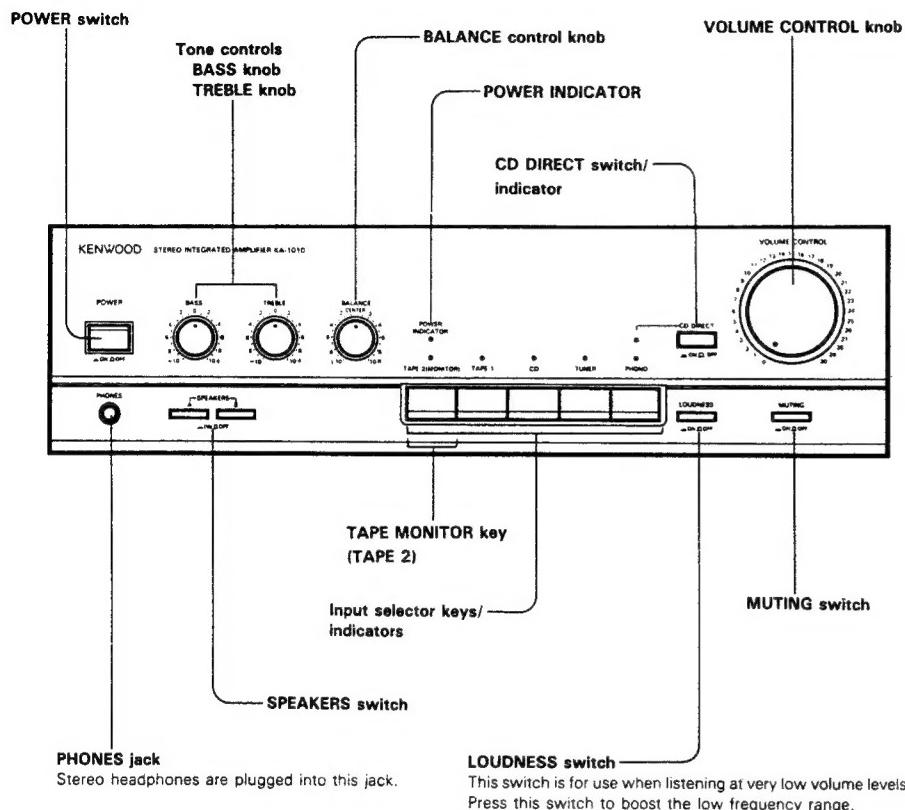
KENWOOD

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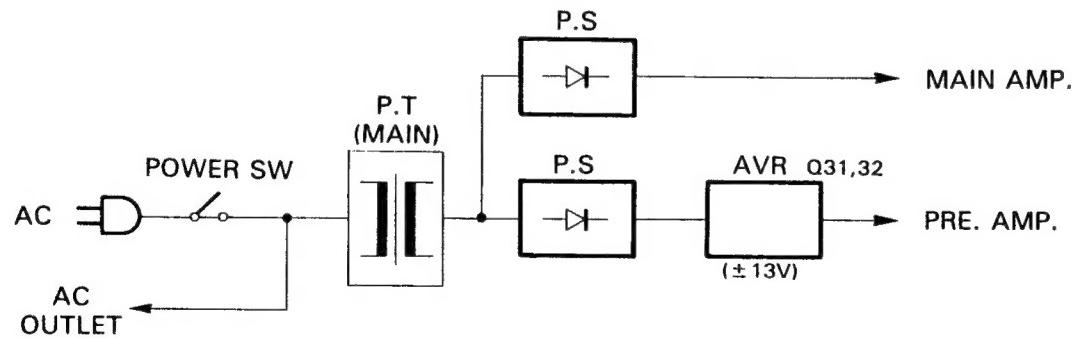
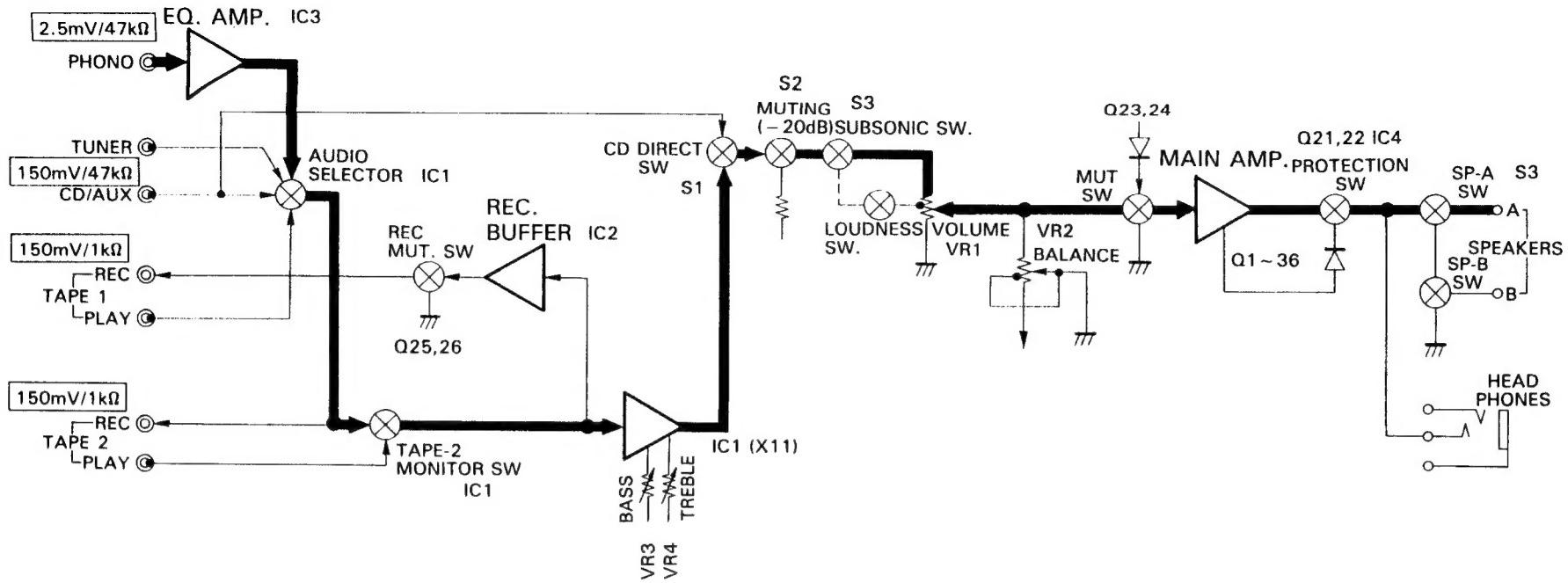
KA-1010

CONTROLS AND INDICATORS



BLOCK & LEVEL DIAGRAM

KA-1010



CIRCUIT DESCRIPTION

TONE CONTROL UNIT (X11-262X-XX)

Ref.No.	Name	Use and Function	Operation/Condition/Compatibility
IC1	μ PC4570C-A	2-device OP amp	For tone control, one device is used for one channel.

AUDIO UNIT (X09-284X-XX)

Ref.No.	Name	Use and Function	Operation/Condition/Compatibility
IC1	LC7818	Input selector	C-MOS $\pm 13V$
IC2	μ PC4570C-A	TAPE-1 REC OUT buffer	
IC3	μ PC4570C-A	PHONO EQ amp.	
IC4	μ PC1237HA	Protection	Reset type
Q1~4	2SC1845(F,E)	Class A first stage amp	
Q5~8	2SA992(F,E)	Class A second stage amp	
Q9,10	2SC2632(Q,R,S)	A class amp.	
Q11~14	2SC2632(Q,R,S)	Third stage amp	
Q15,16	2SA1124(Q,R,S)	Current mirror	
Q17~20	2SA1535(Q,R,S) 2SC3944(Q,R,S)	Driver	
Q21,22	2SA733(A) 2SA933S	Over current protection	
Q23~26	2SC2878(B)	Mutting	HI:ON
Q27~30	2SA733(A) 2SA933S 2SC1740S 2SC945(A)	Mutting driver	
Q31	2SD882	+ 13 V regulated voltage	
Q32	2SA954(L,K)	- 13 V regulated voltage	
Q39	DTA124EN	For IC1 initialize spec.	Making pin MIN "L" when the + 13 V regulated voltage becomes 10 V.

Device of main body part that does not belong to X09 unit.

Ref.No.	Name	Use and Function	Operation/Condition/Compatibility
Q33~36	2SB1162 2SB1163 2SD1717 2SD1718	Final stage	
Q37,38	2SC4137(V,W)	Bias transistors	HI:hfe

ADJUSTMENT/REGLAGES/ABGLEICH

ADJUSTMENT

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	AMPLIFIER SETTING	ALIGNMENT POINTS	ALIGN FOR	FIG.
Unless otherwise specified, set the respective switches as follows: POWER: ON SPEAKER: B REC OUT: OFF SELECTOR: PHONO							
1	IDLE CURRENT	-	Connect a DC voltmeter across CPI (L) CP2 (R) (X09-)	VOLUME: 0	VR1 (L) VR2 (R) (X09-)	18mV	(a)

REGLAGES

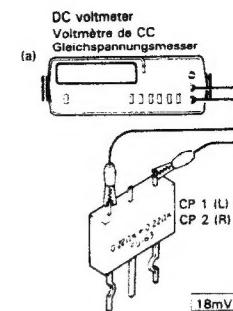
N°	ITEM	REGLAGE DE L'ENTREE	REGLAGE DE LA SORTIE	REGLAGE DE L'AMPLIFICATEUR	POINTS DE L'ALIGNEMENT	ALIGNER POUR	FIG.
Sauf indication contraire, régler comme suit les commandes respectives: POWER: ON SPEAKER: B REC OUT: OFF SELECTOR: PHONO							
1	COURANT DE POLARISATION	-	Connecter un voltmètre de CC SUR CPI (G) CP2 (D) (X09-)	VOLUME: 0	VR1 (G) VR2 (D) (X09-)	18mV	(a)

ABGLEICH

NR.	GENGENSTAND	EINGANGSEINSTELLUNG	AUSANG-EINSTELLUNG	VORSTÄRKEREINSTELLUNG	ABGLEICHPUNKTE	ABGLEICHEN FÜR	ABB.
Wenn nicht anders angegeben, die einzelnen Schalter wie folgt einstellen: POWER: ON SPEAKER: B REC OUT: OFF SELECTOR: PHONO							
1	LEERLAUFSTROM	-	Einen Gleichspannungsmesser über CPI (L) CP2 (R) anschließen. (X09-)	VOLUME: 0	VR1 (L) VR2 (R) (X09-)	18mV	(a)

KA-1010

ADJUSTMENT/REGLAGES/ABGLEICH



VOLTAGE TABLES

AUDIO UNIT (X09-284X-XX)

IC1

3	-13V
22	13V

IC2

2	0V
4	-13V
6.7	0V
3	13V

IC3

1	0V
4	-13V
7	0V
3	13V

IC4

4	2.8V
5	0.7V
7	2.2V
3	3.4V

Q1 - 4

E	-0.6V
C	64.1V
B	0V

Q5 - 8

E	64.8V
C	-
B	64.1V

Q9, 10

E	-0.6V
C	-
B	0V

Q11, 12

E	-63V
C	-0.6V
B	-62.4V

Q13, 14

E	-63V
C	-1.2V
B	-62.4V

TONE UNIT (X11-262X-XX)

IC1

1	0V
4	-13V
5	0V
9	13V

Q15, 16

E	62V
C	7.2V
B	51.4V

Q17, 18

E	-0.6V
C	-66.5V
B	-1.2V

Q19, 20

E	0.6V
C	66.5V
B	1.2V

Q27, 30

E	13V
C	-
B	-

Q31

E	12.5V
C	-
B	-

Q32

E	-12.5V
C	-
B	-

Q33, 34

E	-
C	-66.5V
B	-0.5V

Q35, 36

E	-
C	66.5V
B	-

Q37, 38

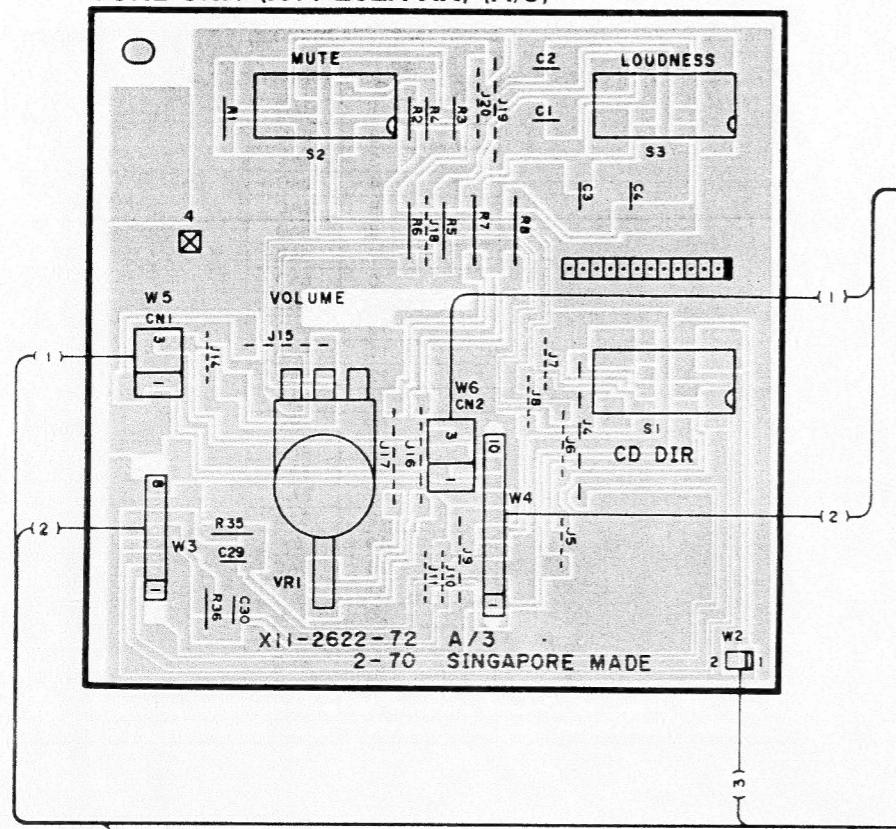
E	-1.2V
C	1.2V
B	-0.6V

Q39

E	13V
C	-
B	-

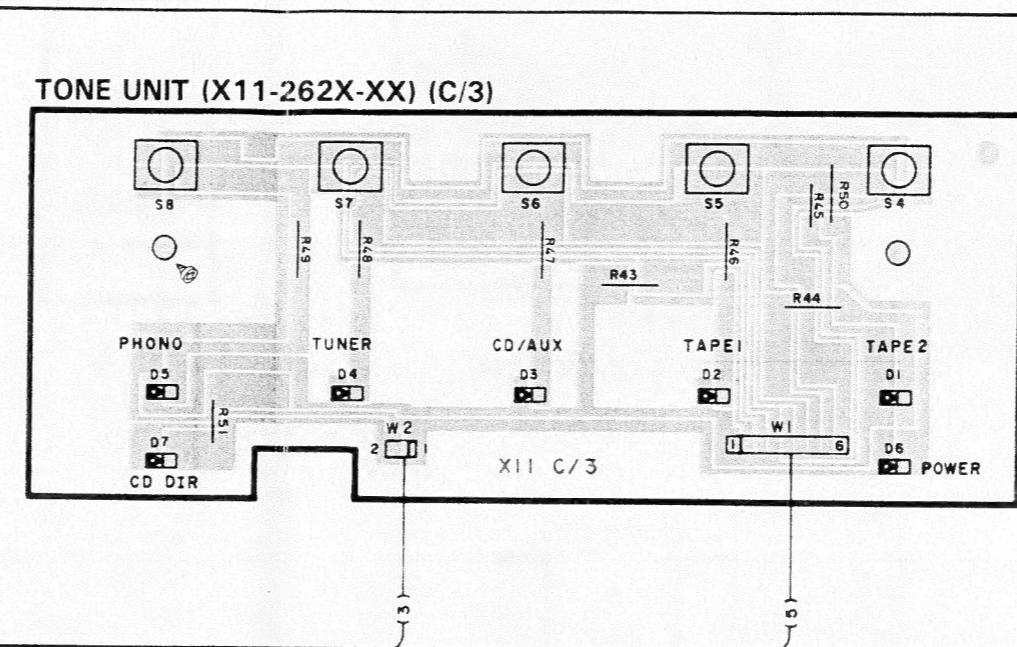
PC BOARD (Component side view)

TONE UNIT (X11-262X-XX) (A/3)



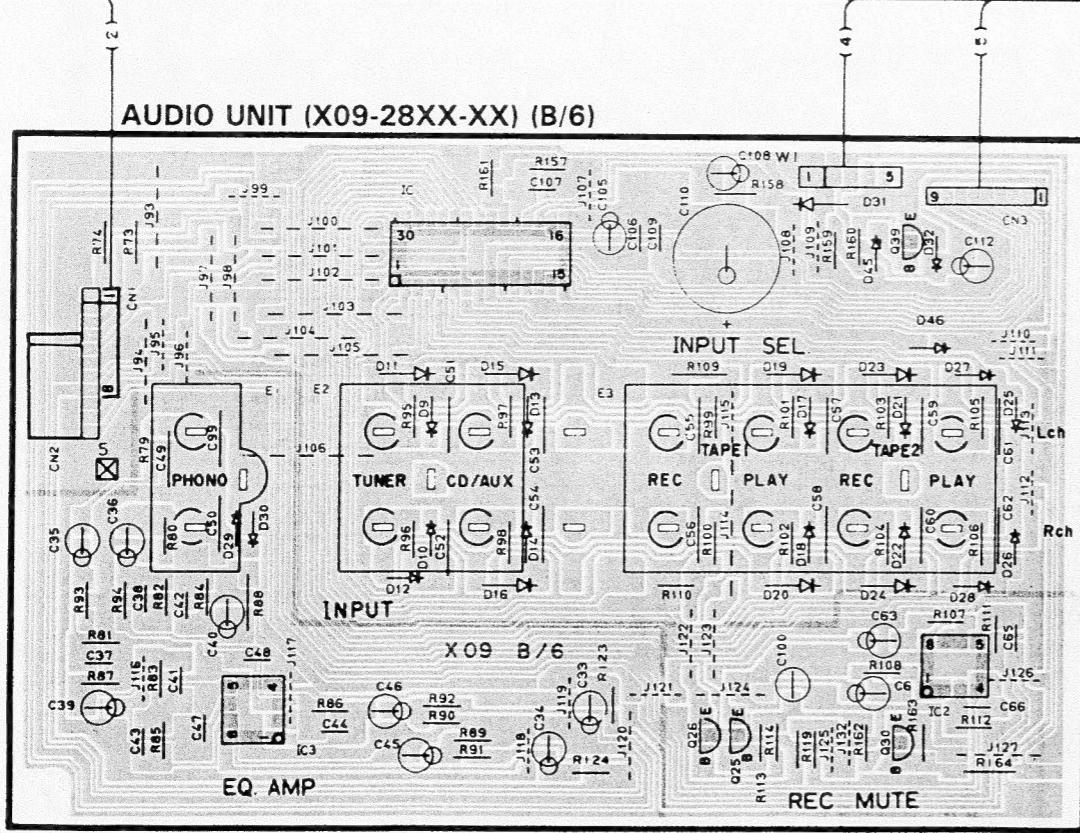
E

TONE UNIT (X11-262X-XX) (C/3)

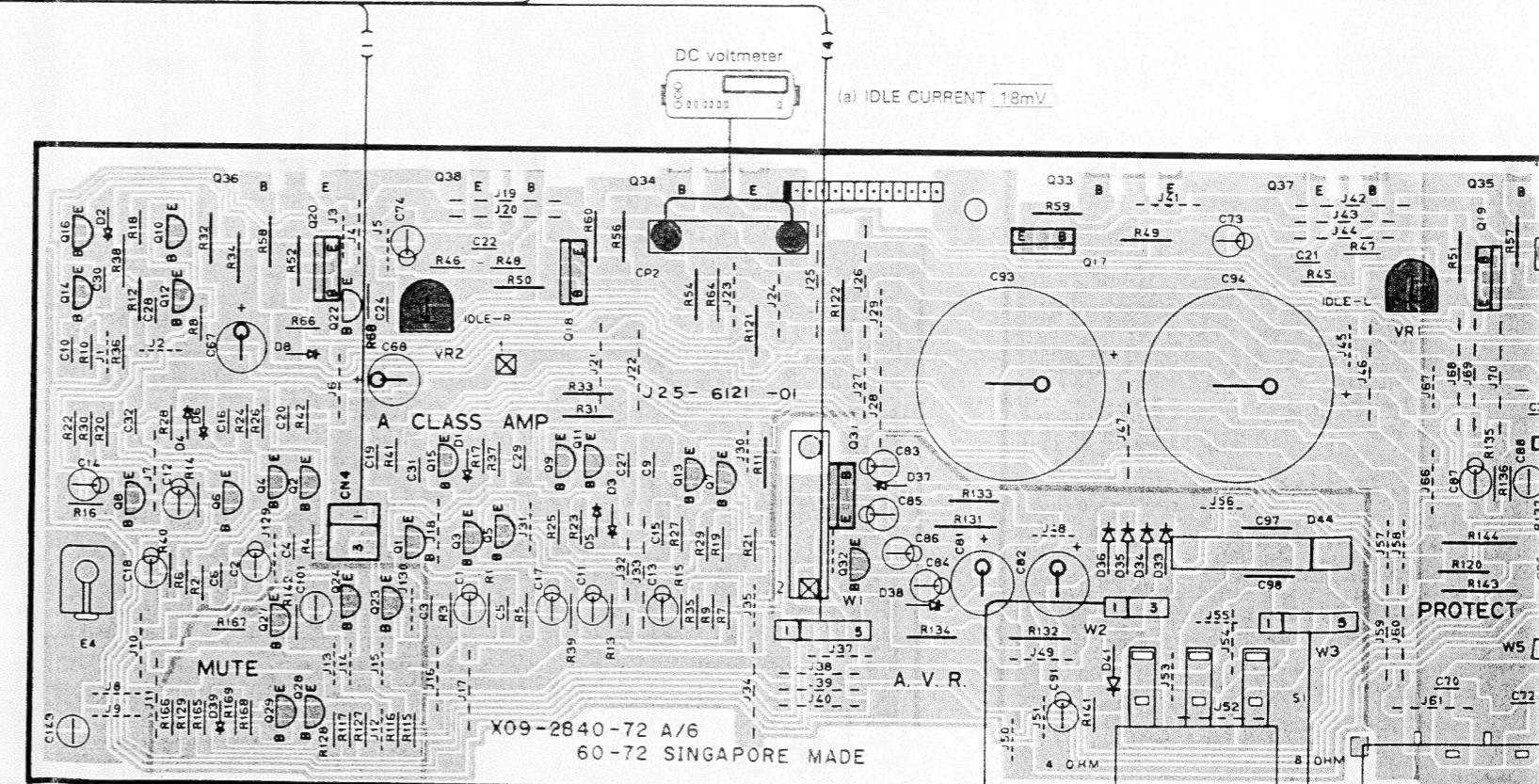


TONE UNIT (X11-262X-XX) (B/3)

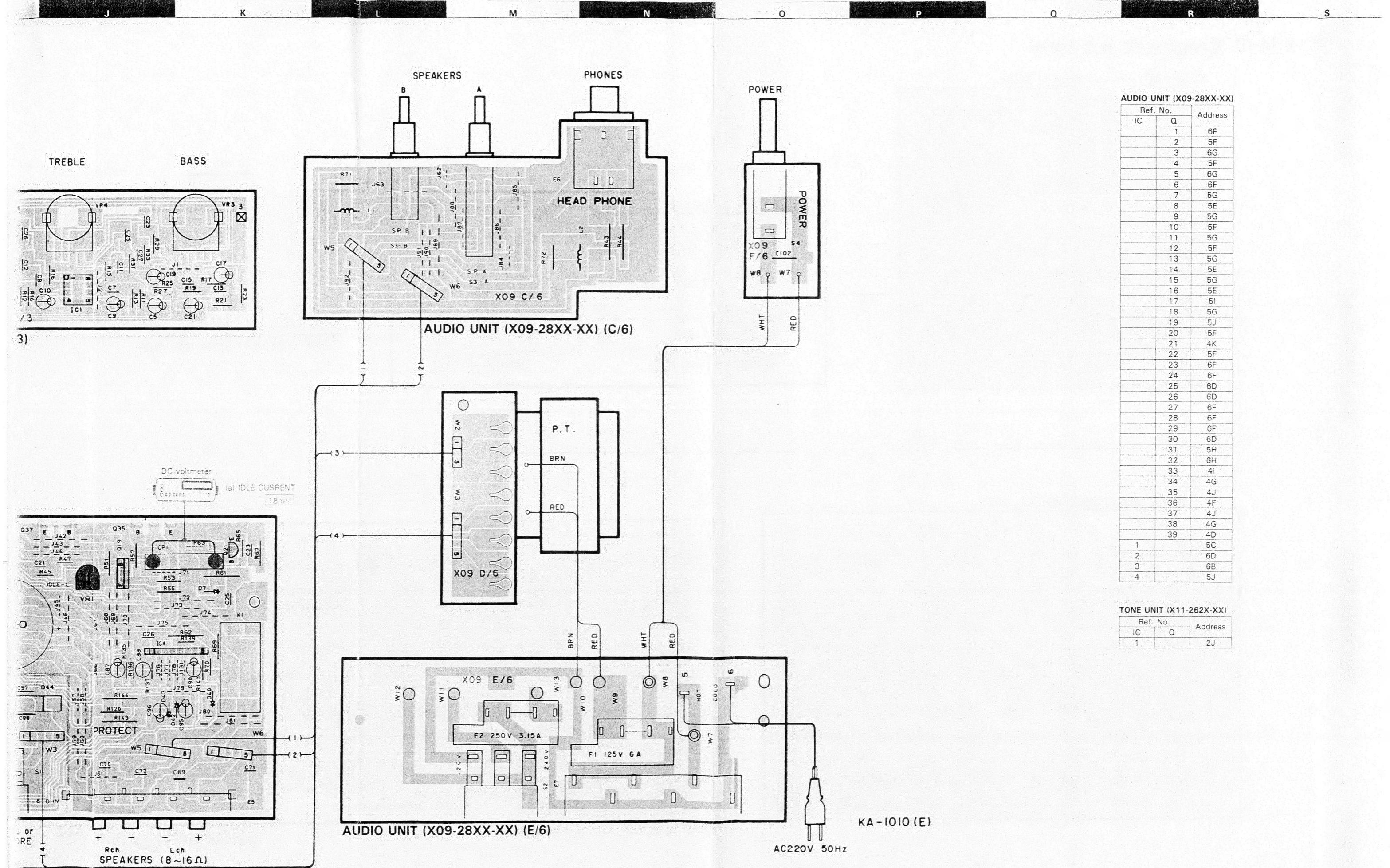
AUDIO UNIT (X09-28XX-XX) (B/6)



AUDIO UNIT (X09-28XX-XX) (A/6)

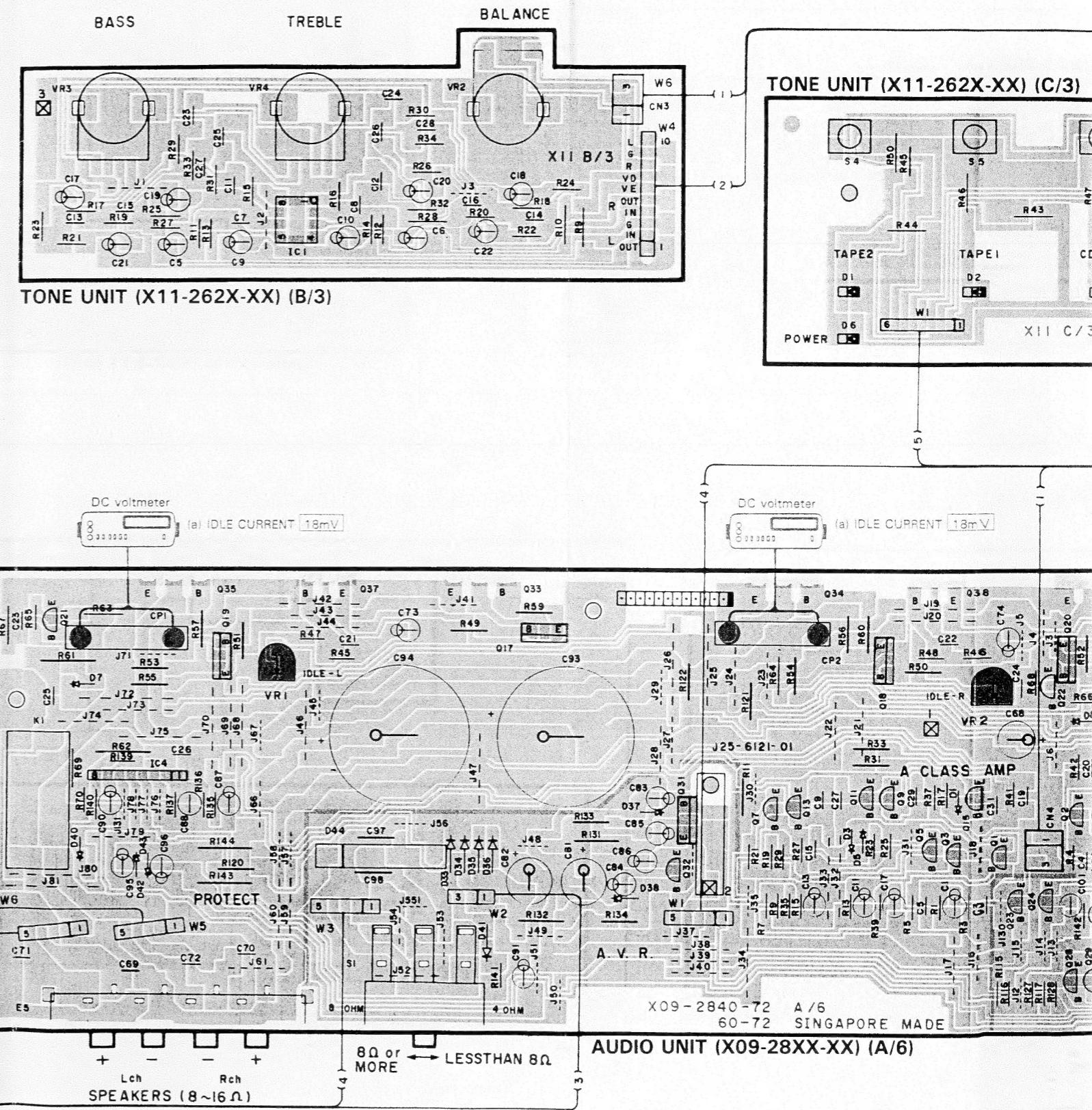
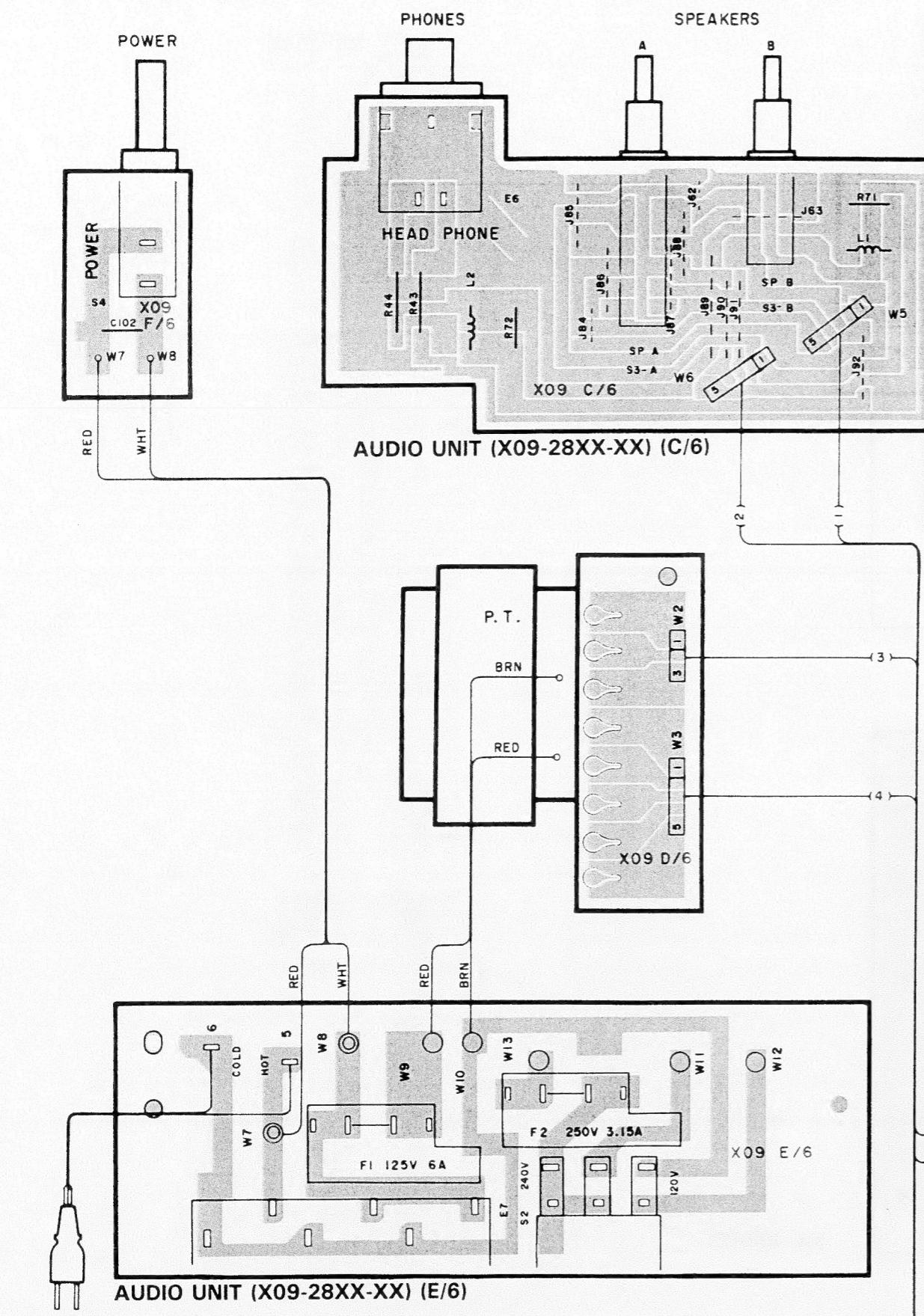


LESSTHAN 8Ω → 8Ω or
MORE + -
Rcn
SPEAKERS



Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (Foil side view)



AC

AD

AE

AF

AG

AH

AI

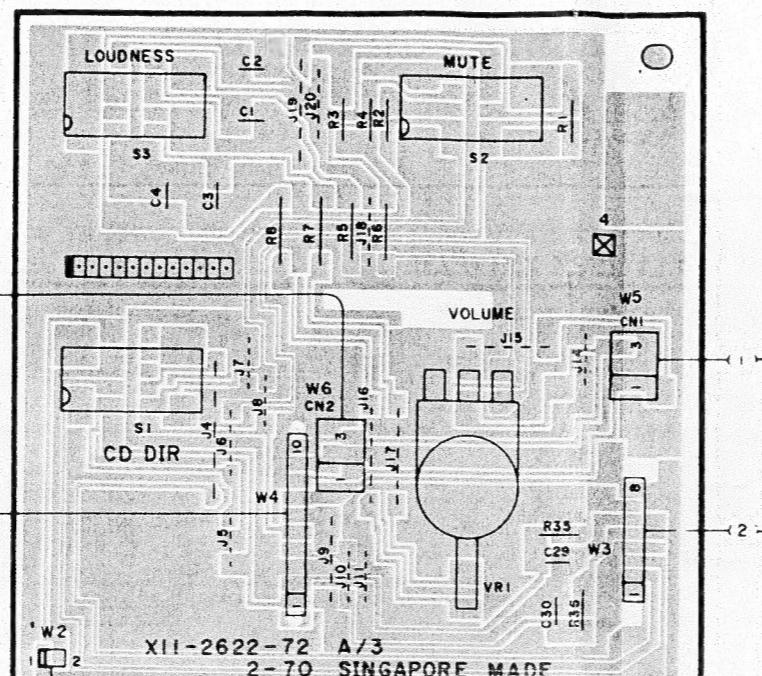
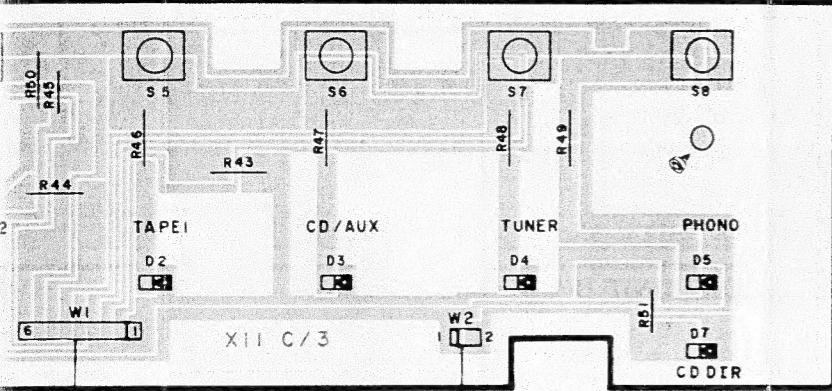
AJ

AK

AL

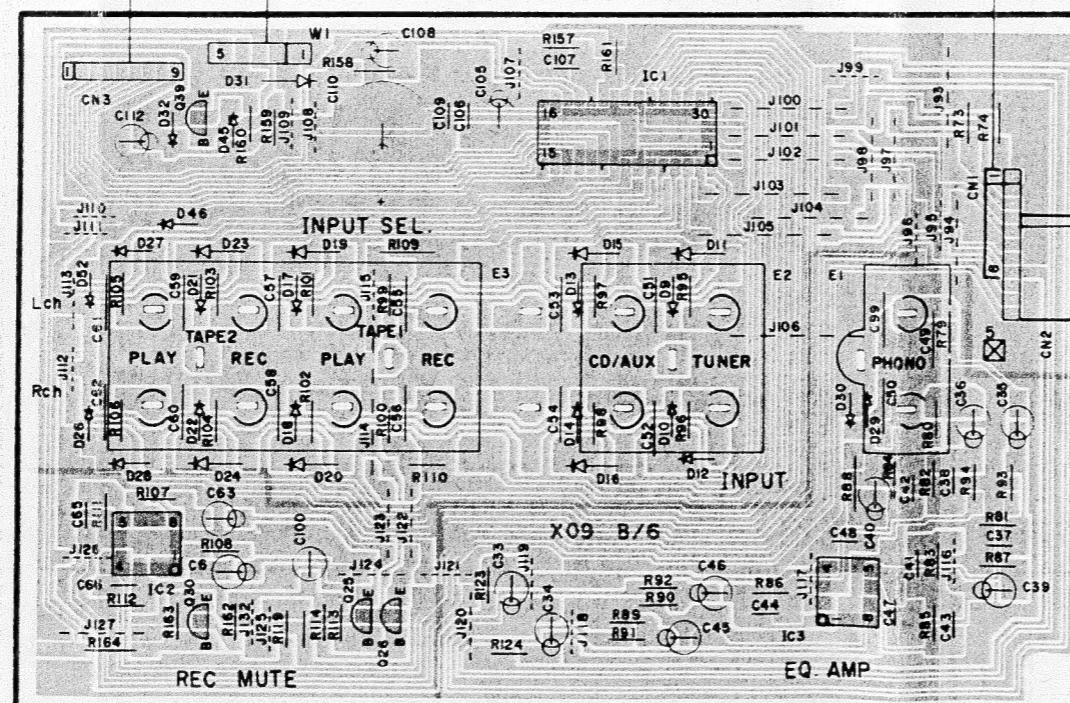
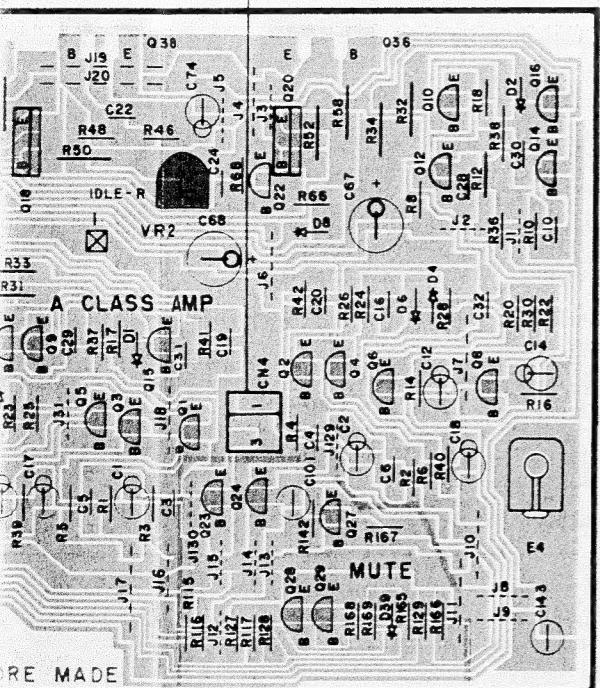
FRONT ↑

(X11-262X-XX) (C/3)



TONE UNIT (X11-262X-XX) (A/3)

LE CURRENT 18mV



AUDIO UNIT (X09-28XX-XX) (B/6)

AUDIO UNIT (X09-28XX-XX)

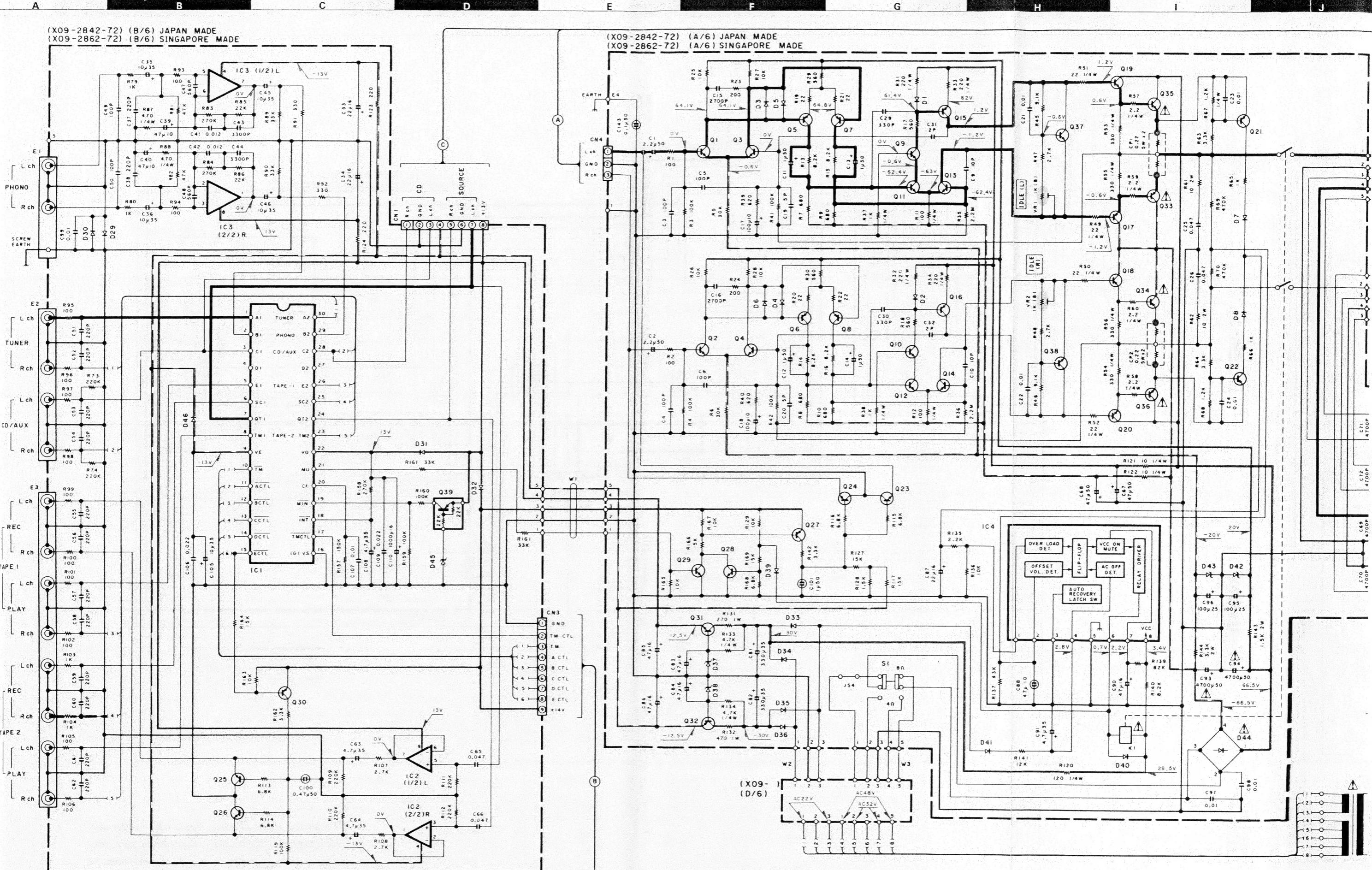
Ref. No.	IC	Q	Address
1		6AC	
2		6AC	
3		6AC	
4		6AD	
5		6AC	
6		6AD	
7		5AB	
8		6AD	
9		5AC	
10		5AD	
11		5AB	
12		5AD	
13		5AB	
14		5AD	
15		5AC	
16		5AD	
17		5AA	
18		5AB	
19		5Y	
20		5AC	
21		5Y	
22		5AC	
23		6AC	
24		6AC	
25		6AF	
26		6AF	
27		6AD	
28		6AC	
29		6AD	
30		6AE	
31		5AB	
32		6AB	
33		4AA	
34		4AB	
35		4Y	
36		4AD	
37		4Z	
38		4AC	
39		5AC	
1		5AG	
2		6AE	
3		6AH	
4		5Y	

TONE UNIT (X11-262X-XX)

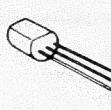
Ref. No.	IC	Q	Address
1		3Z	

KA-1010(E)

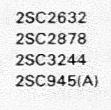
Refer to the schematic diagram for the values of resistors and capacitors.



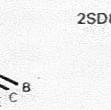
DTA124EN



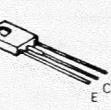
2SA1124
2SA1284
2SA733(A)
2SA954
2SC1845



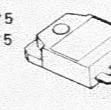
2SC2632
2SC2878
2SC3244
2SC945(A)



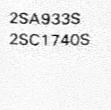
2SD882



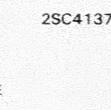
2SA1694*5
2SC4467*5



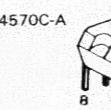
2SA933S
2SC1740S

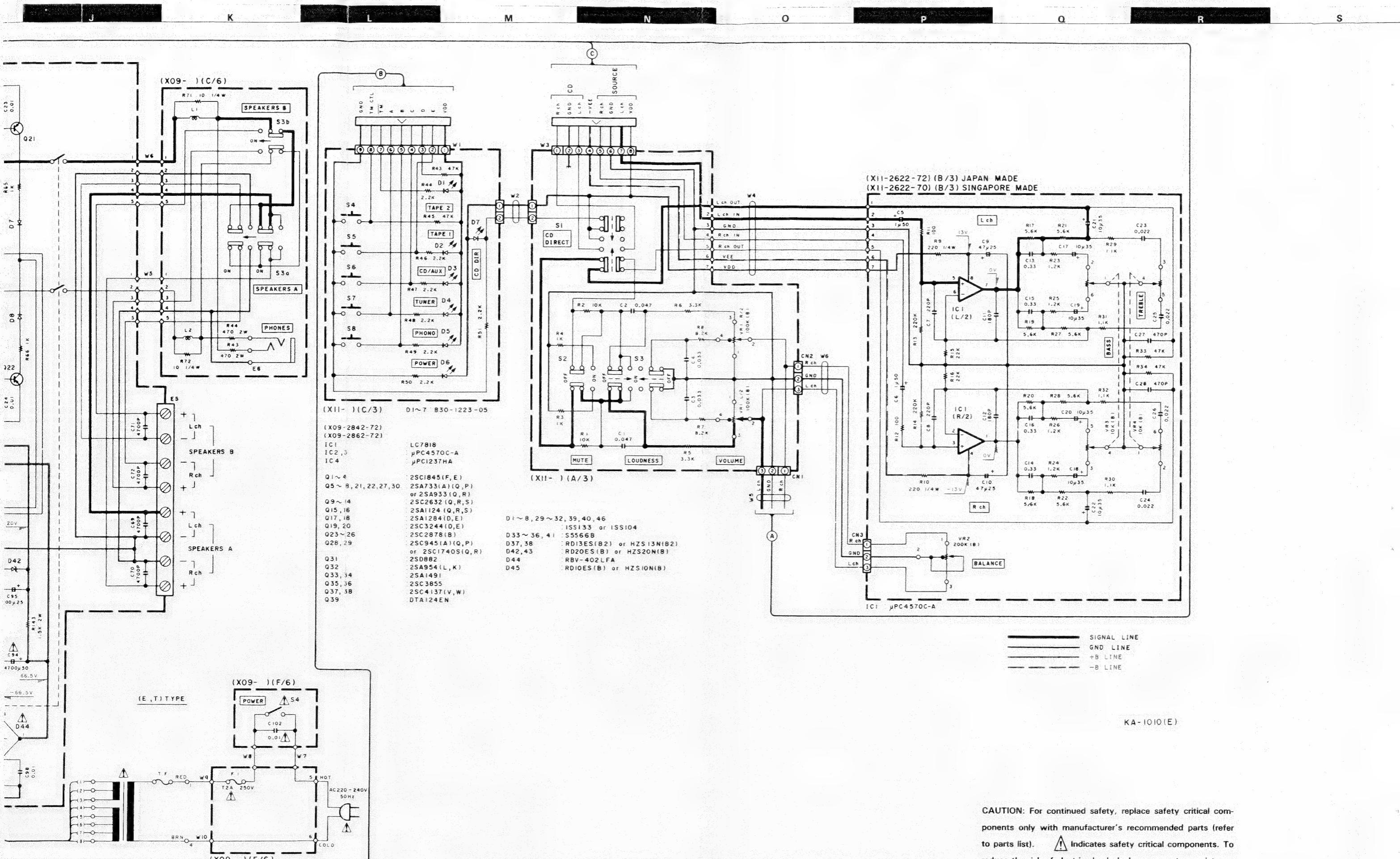


2SC4137
μPC4570C-A



μPC1237HA
LC7818





Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance sans signal d'entrée. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser ohne Eingangssignal gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u.U. geringfügig.

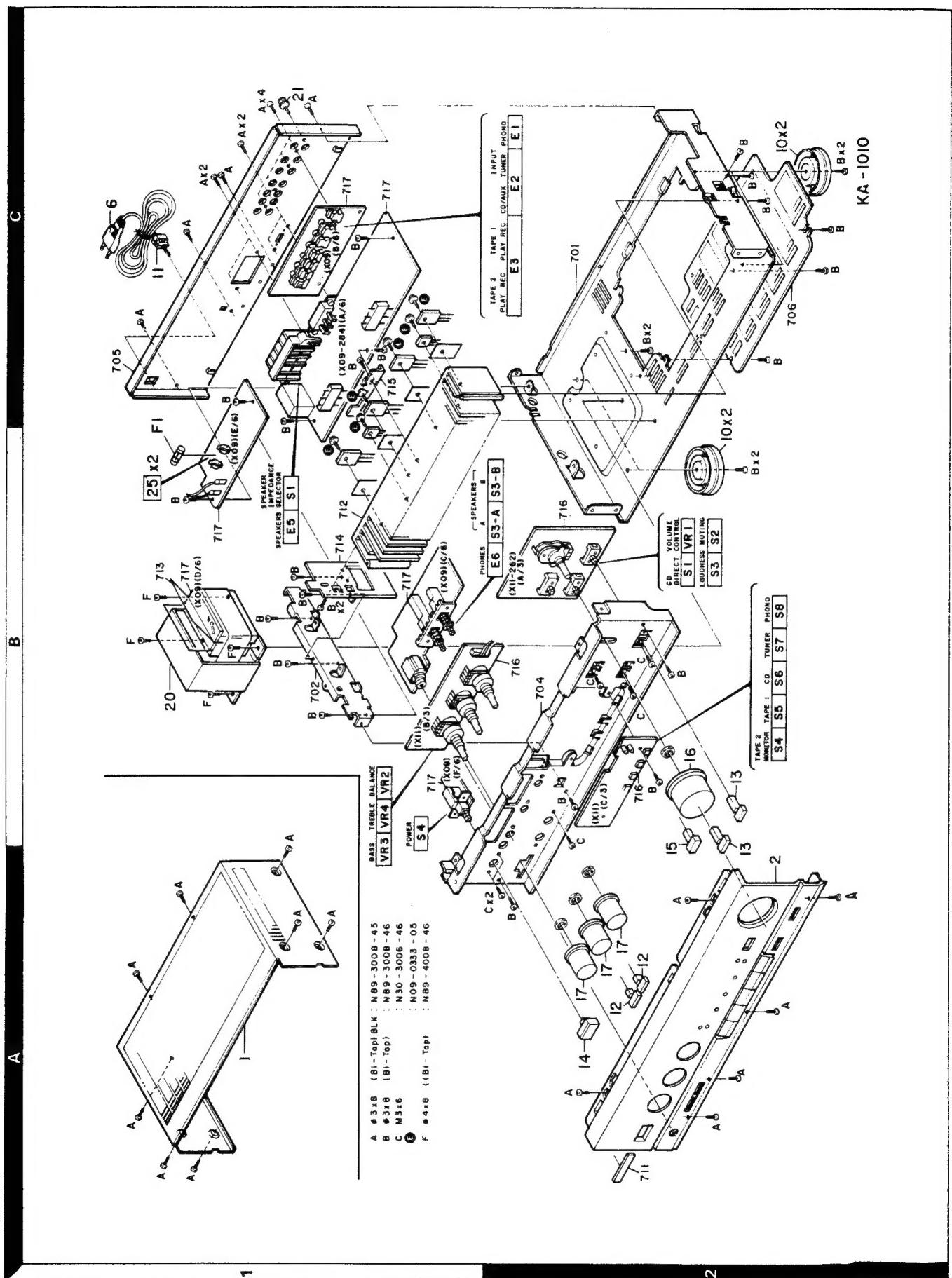
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). **! Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.**

Y08-3702-73

KA-1010
KENWOOD

KA-1010

EXPLODED VIEW



PARTS LIST

* New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置番	New Parts 新規品番	Parts No. 部品番号	Description 部品名 / 規格	Destination 仕向	Remarks 備考
KA-1010						
1	1A	*	A01-1745-01	METALLIC CABINET PANEL ASSY		
2	2A	*	A20-5767-02			
-			B46-0122-13	WARRANTY CARD	E	
-			B46-0143-03	WARRANTY CARD	T	
-			B50-9476-00	INSTRUCTION MANUAL (ENG)	J	
-		*	B50-9645-00	INSTRUCTION MANUAL (ENG)	J	
-		*	B50-9646-00	INSTRUCTION MANUAL (FRE)	J	
-		*	B50-9659-00	INSTRUCTION MANUAL (ENG)	S	
-		*	B50-9660-00	INSTRUCTION MANUAL (FRE)	S	
-		*	B50-9670-00	INSTRUCTION MANUAL (G/D/I)	S	
-		*	B50-9671-00	INSTRUCTION MANUAL (G/D/I)	S	
-			B58-0803-13	CAUTION CARD	E	
△ 6	1C		E30-0459-05	AC POWER CORD	E	
△ 6	1C		E30-1416-05	AC POWER CORD	T	
△ F1	1C		F05-1623-05	FUSE (SEMKO) (250V T1.6A)		
-		*	H01-8444-04	ITEM CARTON CAGE	J	
-		*	H01-8517-04	ITEM CARTON CASE	S	
-		*	H10-3845-02	POLYSTYRENE FOAMED FIXTURE	J	
-		*	H10-3846-02	POLYSTYRENE FOAMED FIXTURE	J	
-		*	H10-3847-02	POLYSTYRENE FOAMED FIXTURE	S	
-			H10-3848-02	POLYSTYRENE FOAMED FIXTURE		
-			H25-0223-04	PROTECTION BAG (750X350X0.03)		
-			H25-0232-04	PROTECTION BAG (235X350X0.03)		
△ 10	2C		J02-1034-05	FOOT		
△ 11	1C		J42-0083-05	POWER CORD BUSHING		
-			J61-0307-05	WIRE BAND		
12	2A		K27-0742-14	KNB (BUTTON) SPEAKERS		
13	2B		K27-1725-04	KNB (BUTTON) LOUDNESS, MUTING		
14	2A	*	K27-1965-04	KNB (BUTTON) POWER		
15	2A	*	K27-1968-04	KNB (BUTTON) CD DIRECT		
16	2A	*	K29-3595-04	KNB (VOLUME CONTROL)		
17	2A		K29-3596-04	KNB (BASS, TREBLE, BALANCE)		
△ 20	1B		L01-5972-05	POWER TRANSFORMER	T	
△ 20	1B		L01-5977-05	POWER TRANSFORMER	E	
21	1C		N08-0128-35	BINDING POST		
A	1A, 1C		N89-3008-45	BINDING HEAD TAPPIE SCREW		
B	1B, 2C		N89-3008-46	BINDING HEAD TAPPIE SCREW		
C	2B		N30-3006-46	PAN HEAD MACHINE SCREW		
E	1C		N09-0333-05	TAPPING SCREW (3X12+)		
F	1B		N89-4008-46	BINDING HEAD TAPPIE SCREW		
△ Q33.34			2SA1694*5	TRANSISTOR		
△ Q35.36			2SC4467*5	TRANSISTOR		
Q37.38			2SC4137(U,W)	TRANSISTOR		
AUDIO UNIT (X09-28XX-XX) Japan made:42-72 Singapore made:67-72						
C1 .2			CEO4KWH2R2M	ELECTRO 2.2UF 50WV	J	
C1 .2			CEO4LWH2R2M	ELECTRO 2.2UF 50WV	S	
C3 .6			CC45FSL1H101J	CERAMIC 100PF J		
C9 .10			CC45FSL1H100D	CERAMIC 10PF D		
C11 -14			CEO4KWH1H01M	ELECTRO 1.0UF 50WV	J	

E: Scandinavia & Europe K: USA P: Canada
U: PX(Far East, Hawaii) T: England M: Other Areas

J: Japan made

S: Singapore made

△ indicates safety critical components.

PARTS LIST

* New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置番	New Parts 新規品番	Parts No. 部品番号	Description 部品名 / 規格	Destination 仕向	Remarks 備考
C11 -14			CEO4LW1H010M	ELECTRO 1.0UF 50WV		S
C15 .16			CF92FV1H272J	MF 2700PF J		S
C17 .18			CEO4KWH1A101M	ELECTRO 100UF 10WV		S
C17 .18			CEO4LW1A101M	ELECTRO 100UF 10WV		S
C19 ,20			CC45FSL1H050C	CERAMIC 5.0PF C		
C21 .22			CK45FF1H103Z	CERAMIC 0.010UF Z		
C23 .24			CF92FV1H103J	MF 0.010UF J		
C25 .26			CF92FV1H473J	MF 0.047UF J		
C29 .30			CC45FSL1H331J	CERAMIC 330PF J		
C31 .32			CC45FSL1H020C	CERAMIC 2.0PF C		
C33 .34			CEO4KW1C220M	ELECTRO 22UF 16WV		S
C33 .34			CEO4LW1C220M	ELECTRO 22UF 16WV		S
C35 .36			CEO4KWH1V100M	ELECTRO 10UF 35WV		S
C35 .36			CEO4LW1V100M	ELECTRO 10UF 35WV		S
C37 .38			CC45FSL1H221J	CERAMIC 220PF J		
C39 .40			CEO4KWH1A470M	ELECTRO 47UF 10WV		S
C39 .40			CEO4LW1A470M	ELECTRO 47UF 10WV		S
C41 .42			CF92FV1H123J	MF 0.012UF J		
C43 .44			CF92FV1H332J	MF 3300PF J		
C45 .46			CEO4KWH1V100M	ELECTRO 10UF 35WV		
C45 .46			CEO4LW1V100M	ELECTRO 10UF 35WV		
C47 .48			CK45FB1H561K	CERAMIC 560PF K		
C49 .50			C91-0745-05	CERAMIC 100PF K		
C51 .62			C91-0749-05	CERAMIC 220PF K		
C63 .64			CEO4KWH1V4R7M	ELECTRO 4.7UF 35WV		
C63 .64			CEO4LW1V4R7M	ELECTRO 4.7UF 35WV		
C65 .66			CF92FV1H473J	MF 0.047UF J		
C67 .68			CEO4KWH1H470M	ELECTRO 47UF 50WV		S
C67 .68			CEO4LW1H470M	ELECTRO 47UF 50WV		S
C69 .72			CF92FV1H472J	MF 4700PF J		
C81 .82			CEO4KWH1V331M	ELECTRO 330UF 35WV		S
C81 .82			CEO4LW1V331M	ELECTRO 330UF 35WV		S
C83 .86			CEO4KWH1C470M	ELECTRO 47UF 16WV		S
C83 .86			CEO4LW1C470M	ELECTRO 47UF 16WV		S
C87			CEO4LW1C220M	ELECTRO 22UF 16WV		S
C88			C90-1334-05	NP-ELEC 47UF 10WV		
C90			CEO4KWH1C470M	ELECTRO 47UF 16WV		S
C90			CEO4LW1C470M	ELECTRO 47UF 16WV		S
C91			CEO4KWH1V4R7M	ELECTRO 4.7UF 35WV		
C91			CEO4LW1V4R7M	ELECTRO 4.7UF 35WV		
C93 .94			C90-1762-05	ELECTRO 4700UF 50WV		
C95 .96			CEO4KWH1E101M	ELECTRO 100UF 25WV		S
C95 .96			CEO4LW1E101M	ELECTRO 100UF 25WV		S
C97 .98			CK45FE2H103P	CERAMIC 0.010UF P		
C99			C91-0769-05	CERAMIC 0.01UF M		
C100			C90-1331-05	NP-ELEC 0.47UF 50WV		
C101			C90-1349-05	NP-ELEC 1UF 50WV		
C102			C91-0647-05	CERAMIC 0.01UF P		
C105			CEO4KWH1V100M	ELECTRO 10UF 35WV		
C106			CE04LW1V100M	ELECTRO 0.022UF Z		
C107			CK45FF1H223Z	MF 0.010UF J		
C108			CF92FV1H103J	ELECTRO 4.7UF 35WV		S
C108			CEO4KWH1V4R7M	ELECTRO 4.7UF 35WV		S

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S:Singapore made

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PARTS LIST

* New Parts

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Ref. No. 参考番号	Address 位 置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕 向	Re- marks 備考
C109			CK45FF1H223Z	CERAMIC 0.022UF Z		
C110			C90-1256-05	ELECTRO 1000UF 16WV		
C143			C90-1455-05	NP-ELEC 0.1UF 50WV		
E1	2C	*	E13-0250-05	PHONE JACK		
E2	2C		E13-0486-05	PHONE JACK		
E3	2C	*	E13-0826-05	PHONE JACK		
E5	1B		E20-0823-05	LOCK TERMINAL BOARD (8P)		
E6	2B		E11-0162-05	PHONE JACK (3P)		
25	1B		J13-0054-05	FUSE CLIP		
L1	.2		L39-0085-05	PHASE-COMPENSATION COIL		
CP1	.2		R90-0187-05	MULTI-COMP 0.22X2 K 5W		
R11	.12		RD14GB2E101J	FL-PR00F RD 100 J 1/4W	J	
R31			RD14GB2E221J	FL-PR00F RD 220 J 1/4W	J	
R31	.34		RD14GB2E221J	FL-PR00F RD 220 J 1/4W	J	
R32			RD14GB2E221J	FL-PR00F RD 220 J 1/4W	J	
R33			RD14GB2E221J	FL-PR00F RD 220 J 1/4W	J	
R34			RD14AB2E221J	FL-PR00F RD 220 J 1/4W	J	
R43	.44		RS14DB3D471J	FL-PR00F RS 470 J 2W	J	
R43	.44		RS14KB3D471J	FL-PR00F RS 470 J 2W	J	
R49	.52		RD14AB2E220J	FL-PR00F RD 22 J 1/4W	J	
R49	.52		RD14GB2E220J	FL-PR00F RD 22 J 1/4W	S	
R53	.56		RD14AB2E331J	FL-PR00F RD 330 J 1/4W	S	
R53	.56		RD14GB2E331J	FL-PR00F RD 330 J 1/4W	S	
R57	.60		RD14AB2E2R2J	FL-PR00F RD 2.2 J 1/4W	J	
R57	.60		RD14GB2E2R2J	FL-PR00F RD 2.2 J 1/4W	S	
R61			RS14DB3D100J	FL-PR00F RS 10 J 2W	J	
R61	.62		RS14KB3D100J	FL-PR00F RS 10 J 2W	S	
R62			RS14KB3D100J	FL-PR00F RS 10 J 2W	J	
R71	.72		RD14AB2E100J	FL-PR00F RD 10 J 1/4W	J	
R71	.72		RD14GB2E100J	FL-PR00F RD 10 J 1/4W	S	
R120			RD14AB2E121J	FL-PR00F RD 120 J 1/4W	J	
R120			RD14GB2E121J	FL-PR00F RD 120 J 1/4W	S	
R121	.122		RD14AB2E100J	FL-PR00F RD 10 J 1/4W	J	
R121	.122		RD14GB2E100J	FL-PR00F RD 10 J 1/4W	S	
R131			RS14DB3A271J	FL-PR00F RS 270 J 1W	J	
R131			RS14KB3A271J	FL-PR00F RS 270 J 1W	S	
R132			RS14DB3A271J	FL-PR00F RS 470 J 1W	J	
R132			RS14KB3A471J	FL-PR00F RS 470 J 1W	S	
R133	.134		RD14AB2E472J	FL-PR00F RD 4.7K J 1/4W	J	
R133	.134		RD14GB2E472J	FL-PR00F RD 4.7K J 1/4W	S	
R143			RS14KB3D152J	FL-PR00F RS 1.5K J 2W	J	
R144			RS14DB3D32J	FL-PR00F RS 3.3K J 2W	J	
R144			RS14KB3D32J	FL-PR00F RS 3.3K J 2W	S	
VR1	.2		R12-1083-05	TRIMMING POT. (1K)		
K1			S51-2078-05	MAGNETIC RELAY		
S1			S31-2136-05	SLIDE SWITCH (IMPEDANCE)		
S3			S42-2153-05	MULTIPLE PUSH SWITCH (SPEAKER)		
S4			S40-1073-05	PUSH SWITCH (POWER)		
D1	-8		ISS133	DIODE		
D29	.32		ISS133	DIODE		
D33	.36		S5566B	DIODE		
D37	.38		HZS13N(B2)	ZENER DIODE		

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D37	.38		RD13ES(B2)	ZENER DIODE		
D39	.40		ISS133	DIODE		
D41			S5566B	DIODE		
D42	.43		HZS20N(B)	ZENER DIODE		
D42	.43		RD20ES(B)	ZENER DIODE		
D44			RBV-402LFA	DIODE		
D45			HZS10N(B)	ZENER DIODE		
D45			RD10ES(B)	ZENER DIODE		
D46			ISS133	DIODE		
IC1			LC7818	IC(ELECTRO CONTROL SWITCH (2H))		
IC2	.3		UPC4570C-A	IC(OP AMP X2)		
IC4			UPC1237HA	IC(POWER AMP)		
O1	.4		2SC1945(F,E)	TRANSISTOR		
O5	.8		2SA733(A)(P)	TRANSISTOR		
O5	.8		2SA933S(Q,R)	TRANSISTOR		
O9	.14		2SC2632(Q,R,S)	TRANSISTOR		
O15	.16		2SA1124(O,R,S)	TRANSISTOR		
O17	.18		2SA1284(D,E)	TRANSISTOR		
O19	.20		2SC3244(D,E)	TRANSISTOR		
O21	.22		2SA733(A)(Q,P)	TRANSISTOR		
O21	.22		2SA933S(Q,R)	TRANSISTOR		
O23	.26		2SC2878(B)	TRANSISTOR		
O27			2SA733(A)(Q,P)	TRANSISTOR		
O27			2SA933S(Q,R)	TRANSISTOR		
O28	.29		2SC1740S(Q,R)	TRANSISTOR		
O28	.29		2SC945(A)(O,P)	TRANSISTOR		
O30			2SA733(A)(Q,P)	TRANSISTOR		
O31			2SA933S(Q,R)	TRANSISTOR		
O32			2SD882	TRANSISTOR		
O32			2SA954(L,K)	TRANSISTOR		
O39			DTA124EN	DIGITAL TRANSISTOR		
TONE UNIT (X11-262X-XX) <small>Japan made: 2-70 Singapore made: 2-72</small>						
B1	.7		B30-1223-05	LED(LN21CPH(V)-C)		
C1	.2		CF92FV1H473J	MF 0.047UF J		
C3	.4		CF92FV1H333J	MF 0.033UF J		
C5	.6		CEO4KW1H010M	ELECTRO 1.0UF 50WV		
C5	.6		CEO4LW1H010M	ELECTRO 1.0UF 50WV		
C7	.8		CE45FSL1H221J	CERAMIC 220PF J		
C9	.10		CEO4KW1E470M	ELECTRO 47UF 25WV		
C9	.10		CEO4LW1E470M	ELECTRO 47UF 25WV		
C11	.12		CC45FSL1H181J	CERAMIC 180PF J		
C13	.16		CF92FV1H334J	MF 0.33UF J		
C17	.22		CEO4KW1V100M	ELECTRO 10UF 35WV		
C17	.22		CF92FV1H223J	MF 0.022UF J		
C27	.28		CK45FB1H471K	CERAMIC 470PF K		
VR1			RD6-5176-05	POTENTIOMETER (VOLUME)		
VR2			RD1-5056-05	POTENTIOMETER (BALANCE)		
VR3	.4		RD6-3061-05	POTENTIOMETER (TONE)		
S1			S40-4074-05	PUSH SWITCH (CD DIRECT)		
S2			S40-2351-05	PUSH SWITCH (MUTE)		
S3			S40-4074-05	PUSH SWITCH (LOUDNESS)		
S4	.8		S40-1064-05	PUSH SWITCH (SELECTOR)		

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KA-1010

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参考番号	位置	新	部品番号	部品名 / 規格	仕向	備考
IC1			UPC4570C-A	IC(SP AMP X2)		

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SPECIFICATIONS

Audio Section Rated Power Output

56 watts per channel minimum RMS, both channels driven, at 8 ohms from 20 Hz to 20,000 Hz
with no more than 0.03% total harmonic distortion.

Maximum continuous output power
(IEC) from 63 Hz to 12,500 Hz 0.7% T.H.D.
at 8 ohms 65 W + 65 W

(DIN) 1,000 Hz at 8 ohms 65 W + 65 W

Total Harmonic Distortion

(20 Hz to 20,000 Hz) 0.03% at rated power into 8 ohms
(1 kHz) 0.004% at 1/2 rated power into 8 ohms

Intermodulation Distortion (60 Hz:7 kHz = 4:1) .. 0.03% at rated power into 8 ohms

Damping Factor 40 (50 Hz at 8 ohms)

Power Bandwidth 10 Hz to 100 kHz at 0.2% T.H.D. 8 ohms

Frequency Response

10 Hz to 60 kHz, +0 dB, -3 dB

Input Sensitivity/Impedance

Phone 2.5 mV/47 k ohms

Tuner, Tape play, CD/AUX 150 mV/27 k ohms

Signal-to-Noise Ratio (IHF-A)

Phone 75 dB for 2.5 mV input

Tuner, Tape play, CD/AUX 100 dB for 150 mV input

Phone Maximum Input Level 100 mV, T.H.D. 0.05% at 1 kHz

Output Level/Impedance

Tape REC (Pin) 150 mV/330 ohms

Phone Frequency Response RIAA standard curve ±0.5 dB (20 Hz to 20,000 Hz)

Loudness Control +3 dB at 100 Hz (at -30 dB VOLUME level)

General

Power Consumption 150 W

Dimensions W: 440 mm

H: 133 mm

D: 275 mm

Weight (Net) 6.4 kg (14.1 lb)

Kenwood follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

Kenwood poursuit une politique de progrès constants en ce qui concerne le développement. Pour cette raison, les spécifications sont sujettes à modifications sans préavis.

Kenwood strebt ständige Verbesserungen in der Entwicklung an. Daher bleiben Änderungen der technischen Daten jederzeit vorbehalten.

Note:

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on the Europe (E) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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